

Plant Protection: An Integrated Interdisciplinary Approach. Webster H. Sill, Jr. Iowa State University Press. 1982. 297 pp. \$23.95.

This unique book brings together aspects of entomology, plant pathology, nematology and weed science, as they pertain to plant protection. The extensive plant protection experience of the author, who has worked for many years as consultant in the tropics of India, the Philippines, and Taiwan, provided the background for this very readable and useful text. The book is aimed at practicing plant protection workers, at entomologists and plant pathologists, as well as students at colleges and universities. In the first chapters political, social, and economic factors of plant protection, quarantine, storage and marketing are discussed. Monitoring and forecasting of outbreaks and the use of computers are stressed. The chapter on chemical control of insects also deals with pesticides, pheromones, juvenile hormones and insect sterilants. A separate chapter is devoted to pesticide compatibility and toxicology and another chapter to biological control of arthropods, diseases, nematodes, weeds and animal pests. Other chapters cover in detail biological control by antagonism and synergism, breeding for resistance to arthropods, and vertebrate pests. Two separate chapters are devoted to integrated and combined controls, using weed and pest, as well as nematode and pest controls. The volume concludes with a list of cited, and of other, useful references, and with a subject index. As a whole, this volume is a well written contribution that brings together for the first time all aspects of plant protection. In my opinion this book should be of wide interest to entomologists engaged in biological, chemical, and integrated control and I recommend it with enthusiasm to all who work in the field of crop protection.

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The Ecology of Pests—Some Australian Case Histories. R. L. Kitching and R. E. Jones, eds. Published by CSIRO, Melbourne. 1981.

“The Ecology of Pests,” edited by Kitching and Jones, is a soft-cover book that comprises review articles on pests found within Australia. The editors have not attempted to include all of the major pests in Australia but instead have selected pertinent examples of contemporary pest ecology. The pests included are organisms of rather diverse life history patterns. Most of the case histories focus on insects (aphids, codling moth, light-brown apple moth, mosquitoes, Australian bushfly, cabbage butterfly and the *Sirex* woodwasp) but there are chapters on the skeleton weed, kangaroos and the “crown of thorns” starfish. Though these pests are discussed from the Australian perspective most are introduced species and will be of interest to ecologists